

GenCode version 5.1.3  
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OM protein multiple search, using frame\_plus\_2n model

Run on: January 16, 2003, 17:00:17 ; Search time 50:51:43 Seconds  
(without alignments)  
114.746 Million cell updates/sec

Title: US-09-856-070-19

Protein source: KS

Sequence: 1 KRFIM:PLQNVFF 13

Scoring table: BLOSUM62

Xgapop 10.0 ; Xgapext 0.5

Ygapop 10.0 ; Ygapext 0.5

Fgapop 6.0 ; Fgapext 7.0

Delopt 6.0 ; Delext 7.0

Searches: 39368 seqs, 229934149 residues

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0

Maximum DB seq length: 260000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

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-DB=published Applications NA -O=MT-fastap -SUFFIX=rbp -MINMATCH=0.1  
-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -SIART=1 -END=1 -MAPKX=blom62  
-TRANS=human40.cdi -HIS=45 -HISAT=17N-200 -HP\_SCORE=pt -HIS\_MAX=100  
-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -UNITMT=pt -NPM=ext -HEADSIZE=500 -MINLEN=0  
-MAXLEN=200000000 -XLEP=0 -NPM=MAP -LAP=QUERY -NEW\_SCORES=0 -WAIT -L=NLG-6  
-NCP=6 -ICP=4 -N=MMAP -LAP=QUERY -NEW\_SCORES=0 -WAIT -L=NLG-6  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=10 -THREH=1 -XGAPOP=10 -XGAPEXT=0.5 -Fgapop=6  
-Fgapext=7 -Ygapop=10 -Ygapext=0.5 -Delopt=6 -Delext=7

Database: Published Applications NA:

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB\_seq.\*
- 2: /cgn2\_6/ptodata/2/pubpna/ECT\_NEW\_PUB\_seq.\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB\_seq.\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB\_seq.\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB\_seq.\*
- 6: /cgn2\_6/ptodata/2/pubpna/ECTUS\_PUBCOMB\_seq.\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB\_seq.\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB\_seq.\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB\_seq.\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB\_seq.\*
- 11: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB\_seq.\*
- 12: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB\_seq.\*
- 13: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB\_seq.\*
- 14: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB\_seq.\*

Prod. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	65	100.0	2044	US-09-856-070-19	Sequence 156, App
2	65	100.0	3044	US-09-880-107-3718	Sequence 3718, App
3	65	100.0	3047	US-09-864-864-329	Sequence 329, App
4	65	100.0	3115	US-09-025-299-123	Sequence 123, App

US-09-844-761-20393	10	224	61.5	40	5	40	61.5	224	10	US-09-844-761-20393	Sequence 29393, A
US-09-864-761-12828	10	520	61.5	40	5	40	61.5	520	10	US-09-864-761-12828	Sequence 12828, A
US-10-025-187-1	12	164	61.5	4	1	4	61.5	164	12	US-10-025-187-1	Sequence 1, Appl
US-09-854-133-738	9	2170	61.5	40	8	40	61.5	2170	9	US-09-854-133-738	Sequence 728, Appl
US-10-025-187-3	12	45839	61.5	40	9	40	61.5	45839	12	US-10-025-187-3	Sequence 3, Appl
US-09-844-761-20425	10	208	60.0	39	4	39	60.0	208	10	US-09-844-761-20425	Sequence 27945, A
US-09-864-761-11455	10	452	60.0	39	60.0	39	60.0	452	10	US-09-864-761-11455	Sequence 11355, A
US-10-046-935-2209	9	550	60.0	39	60.0	39	60.0	550	9	US-10-046-935-2209	Sequence 2209, App
US-09-878-178-2209	9	550	60.0	39	60.0	39	60.0	550	9	US-09-878-178-2209	Sequence 2209, App
US-09-863-475A-9	10	1488	60.0	39	60.0	39	60.0	1488	10	US-09-863-475A-9	Sequence 9, Appl
US-09-863-475A-7	10	4647	60.0	39	60.0	39	60.0	4647	10	US-09-863-475A-7	Sequence 7, Appl
US-10-044-090-190	12	4242	60.0	39	60.0	39	60.0	4242	12	US-10-044-090-190	Sequence 190, App
US-09-873-75-29	13	1134	58.5	38	58.5	38	58.5	1134	13	US-09-873-75-29	Sequence 29, Appl
US-09-938-842A-854	9	2124	58.5	38	58.5	38	58.5	2124	9	US-09-938-842A-854	Sequence 854, App
US-09-764-868-445	9	2302	58.5	38	58.5	38	58.5	2302	9	US-09-764-868-445	Sequence 445, App
US-09-854-133-157	9	2313	58.5	38	58.5	38	58.5	2313	9	US-09-854-133-157	Sequence 157, App
US-09-738-973-157	10	2314	58.5	38	58.5	38	58.5	2314	10	US-09-738-973-157	Sequence 157, App
US-09-764-868-12	9	2314	58.5	38	58.5	38	58.5	2314	9	US-09-764-868-12	Sequence 12, Appl
US-09-946-893-1	10	2497	58.5	38	58.5	38	58.5	2497	10	US-09-946-893-1	Sequence 1, Appl
US-09-764-877-2385	10	15086	58.5	38	58.5	38	58.5	15086	10	US-09-764-877-2385	Sequence 2385, App
US-09-796-692-7066	9	210	56.9	37	56.9	37	56.9	210	9	US-09-796-692-7066	Sequence 7066, App
US-09-864-761-31941	10	591	56.9	37	56.9	37	56.9	591	10	US-09-864-761-31941	Sequence 31941, A
US-09-917-800A-502	10	1780	56.9	37	56.9	37	56.9	1780	10	US-09-917-800A-502	Sequence 1521, App
US-09-746-801A-12	10	1960	56.9	37	56.9	37	56.9	1960	10	US-09-746-801A-12	Sequence 12, Appl
US-09-746-801A-14	10	3617	56.9	37	56.9	37	56.9	3617	10	US-09-746-801A-14	Sequence 14, Appl
US-09-917-800A-502	10	7420	56.9	37	56.9	37	56.9	7420	10	US-09-917-800A-502	Sequence 502, App
US-09-954-456-2006	10	7787	56.9	37	56.9	37	56.9	7787	10	US-09-954-456-2006	Sequence 2006, App
US-09-965-697-13	10	1654	56.2	36.5	36.5	36.5	56.2	1654	10	US-09-965-697-13	Sequence 66, Appl
US-09-956-998A-16	10	1705	56.2	36.5	36.5	36.5	56.2	1705	10	US-09-956-998A-16	Sequence 13, Appl
US-10-125-751-21	9	5620	56.2	36.5	36.5	36.5	56.2	5620	9	US-10-125-751-21	Sequence 16, Appl
US-09-918-079-21	10	5620	56.2	36.5	36.5	36.5	56.2	5620	10	US-09-918-079-21	Sequence 21, Appl
US-10-038-001-7	9	7460	56.2	36.5	36.5	36.5	56.2	7460	9	US-10-038-001-7	Sequence 12, Appl
US-09-946-834-11	10	7788	56.2	36.5	36.5	36.5	56.2	7788	10	US-09-946-834-11	Sequence 7, Appl
US-09-872-733-8	10	8947	56.2	36.5	36.5	36.5	56.2	8947	10	US-09-872-733-8	Sequence 11, Appl
US-09-872-733-9	10	8947	56.2	36.5	36.5	36.5	56.2	8947	10	US-09-872-733-9	Sequence 8, Appl
US-10-109-853-1	9	14684	56.2	36.5	36.5	36.5	56.2	14684	9	US-10-109-853-1	Sequence 9, Appl

ALIGNMENTS

RESULT 1 US 09 960 253-156  
Sequence 156, Application US/09960253  
Patent No. US200101919A1  
GENERAL INFORMATION:  
APPLICANT: Benson, Darin R.  
APPLICANT: Melamuth, Faodoh  
APPLICANT: Lodes, Michael J.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
OF LUNG CANCER  
FILE REFERENCE: 210121 556  
CURRENT AFFILIATION NUMBER: US/09/960,253  
CURRENT FILING DATE: 2001-09-20  
NUMBER OF SEQ ID NOS: 187  
SOFTWARE: FASTSO for Windows Version 4.0  
SEQ ID NO 156  
LENGTH: 2930  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-960-253-156

Alignment Scores:	
Prod. No.:	0.00041
Score:	65.00
Length:	2930
Matches:	13
Conservative:	0
Mismatches:	0
Indels:	0
Gaps:	0

US 09-856-070-19 (1-13) x US-09-864-253-156 (1-2930)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13  
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Db 1106 AAGCAGGAGTGTGATGCTGGCGCTGCAGGACTATGAGGAG 1144

RESULT 2

US 09-880-107-3718  
; Sequence 3718, Application US/09880107  
; Patent No. US20020142981A1  
; GENERAL INFORMATION:  
; APPLICANT: Horne, Daniel L.  
; APPLICANT: Vockley, Joseph G.  
; APPLICANT: Schertl, Iwe  
; APPLICANT: Gene Logic, Inc.  
; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer  
; FILE REFERENCE: 44921-5028-WO  
; CURRENT APPLICATION NUMBER: US/04/880,107  
; PRIOR FILING DATE: 2001-06-14  
; PRIOR APPLICATION NUMBER: US 60/211,379  
; PRIOR FILING DATE: 2000-06-14  
; PRIOR APPLICATION NUMBER: US 60/237,054  
; PRIOR FILING DATE: 2000-10-02  
; NUMBER OF SEQ ID NOS: 3950  
; SOFTWARE: Patent In Ver. 2.1  
; SEQ ID NO 3718  
; LENGTH: 3044  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; OTHER INFORMATION: Genbank Accession No. US20020142981A1 X51521  
; NAME/KEY: unsure  
; LOCATION: (1)-(3044)  
; OTHER INFORMATION: n - a or c or g or t

US 09-880-107-3718

Alignment Scores:

Pred. No.:	0.000429	Length:	3044
Score:	65.00	Matches:	13
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US 09-856-070-19 (1-13) x US-09-880-107-3718 (1-3044)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13  
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Db 1147 AAGCAGGAGTGTGATGCTGGCGCTGCAGGACTATGAGGAG 1185

RESULT 3

US 09-864-864-329  
; Sequence 329, Application US/09864864  
; Patent No. US20020102679A1  
; GENERAL INFORMATION:  
; APPLICANT: Xu, Jianqun  
; APPLICANT: Mitcham, Jennifer L.  
; APPLICANT: Harlocker, Susan L.  
; APPLICANT: Dillon, David G.  
; APPLICANT: Secriest, Heather  
; APPLICANT: Lodes, Michael J.  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Flinn, Steve P.  
; APPLICANT: Mannion, Jane  
; APPLICANT: Benson, Darin R.  
; APPLICANT: Carter, Patrick  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY  
; FILE REFERENCE: 210121-523  
; CURRENT APPLICATION NUMBER: US/09/864,864  
; CURRENT FILING DATE: 2001-05-23  
; NUMBER OF SEQ ID NOS: 341

; SOFTWARE: Corixa Invention Disclosure Database  
; SEQ ID NO 329  
; LENGTH: 3047  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)-(3047)  
; OTHER INFORMATION: n - A,T,C or G

US-09-864-864-329

Alignment Scores:

Pred. No.:	0.000429	Length:	3047
Score:	65.00	Matches:	13
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-856-070-19 (1-13) x US-09-864-864-329 (1-3047)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13  
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Db 1147 AAGCAGGAGTGTGATGCTGGCGCTGCAGGACTATGAGGAG 1185

RESULT 4

US-09-925-299-123  
; Sequence 123, Application US/09925299  
; Patent No. US20020055627A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
; FILE REFERENCE: PA102  
; CURRENT APPLICATION NUMBER: US/09/925,299  
; CURRENT FILING DATE: 2001-08-10  
; PRIOR APPLICATION NUMBER: PCT/US00/05883  
; PRIOR FILING DATE: 2000-03-08  
; PRIOR APPLICATION NUMBER: 60/124,270  
; PRIOR FILING DATE: 1999-03-12  
; NUMBER OF SEQ ID NOS: 1556  
; SOFTWARE: Patent In Ver. 2.0  
; SEQ ID NO 123  
; LENGTH: 3115  
; TYPE: DNA  
; ORGANISM: Homo sapiens

US-09-925-299-123

Alignment Scores:

Pred. No.:	0.00044	Length:	3115
Score:	65.00	Matches:	13
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-856-070-19 (1-13) x US-09-925-299-123 (1-3115)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13  
|||||  
Db 1179 AAGCAGGAGTGTGATGCTGGCGCTGCAGGACTATGAGGAG 1217

RESULT 5

US-09-864-761-29393/c  
; Sequence 29393, Application US/09864761  
; Patent No. US20020048763A1  
; GENERAL INFORMATION:  
; APPLICANT: Penn, Sharron G.  
; APPLICANT: Rank, David R.  
; APPLICANT: Hanzel, David K.  
; APPLICANT: Chen, Wensheng  
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL IN  
; FILE REFERENCE: Acomica-X-1

1 CURRENT APPLICATION NUMBER: US/09/864,761  
2 CURRENT FILING DATE: 2001-05-23  
3 PRIOR APPLICATION NUMBER: US 60/180,312  
4 PRIOR FILING DATE: 2000-02-04  
5 PRIOR APPLICATION NUMBER: US 60/207,456  
6 PRIOR FILING DATE: 2000-05-26  
7 PRIOR APPLICATION NUMBER: US 09/642,466  
8 PRIOR FILING DATE: 2000-08-03  
9 PRIOR APPLICATION NUMBER: CB 24263.6  
10 PRIOR FILING DATE: 2000-10-04  
11 PRIOR APPLICATION NUMBER: US 60/236,359  
12 PRIOR FILING DATE: 2000-09-27  
13 PRIOR APPLICATION NUMBER: PCT/US01/00666  
14 PRIOR FILING DATE: 2001-01-30  
15 PRIOR APPLICATION NUMBER: PCT/US01/00667  
16 PRIOR FILING DATE: 2001-01-30  
17 PRIOR APPLICATION NUMBER: PCT/US01/00664  
18 PRIOR FILING DATE: 2001-01-30  
19 PRIOR APPLICATION NUMBER: PCT/US01/00669  
20 PRIOR FILING DATE: 2001-01-30  
21 PRIOR APPLICATION NUMBER: PCT/US01/00665  
22 PRIOR FILING DATE: 2001-01-30  
23 PRIOR APPLICATION NUMBER: PCT/US01/00668  
24 PRIOR FILING DATE: 2001-01-30  
25 PRIOR APPLICATION NUMBER: PCT/US01/00664  
26 PRIOR FILING DATE: 2001-01-30  
27 PRIOR APPLICATION NUMBER: PCT/US01/00662  
28 PRIOR FILING DATE: 2001-01-30  
29 PRIOR APPLICATION NUMBER: PCT/US01/00661  
30 PRIOR FILING DATE: 2001-01-30  
31 PRIOR APPLICATION NUMBER: PCT/US01/00670  
32 PRIOR FILING DATE: 2001-01-30  
33 PRIOR APPLICATION NUMBER: US 60/234,687  
34 PRIOR FILING DATE: 2000-09-21  
35 PRIOR APPLICATION NUMBER: US 09/608,408  
36 PRIOR FILING DATE: 2000-06-30  
37 PRIOR APPLICATION NUMBER: US 09/774,203  
38 PRIOR FILING DATE: 2001-01-26  
39 NUMBER OF SEQ ID NOS: 49117  
40 SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
41 SEQ ID NO 29393  
42 LENGTH: 224  
43 TYPE: DNA  
44 ORGANISM: Homo sapiens  
45 FEATURE:  
46 OTHER INFORMATION: MAP TO AC009155.3  
47 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 0.65  
48 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 0.62  
49 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 0.98  
50 OTHER INFORMATION: EST HUMAN HIT: AL138421.1, EVALUATE 1.00e-118  
51 OTHER INFORMATION: SWISSPROT HIT: P28684, EVALUATE 8.70e-00  
52 OTHER INFORMATION: NT HIT: AF079406.1, EVALUATE 1.30e-01  
53 US-09-864-761-29393

Alignment Scores:  
Seq. No. 2 98 Length: 234  
Score: 40.00 Matches: 7  
Percent Similarity: 84.62% Conservative: 4  
Best Local Similarity: 53.85% Mismatches: 2  
Query Match: 61.54% Indels: 0  
DB: 10 Gaps: 0

US-09-856-070-19 (1-13) x US-09-864-761-29393 (1-224)

QY 1 LysGluGluMetLeuArgLeuGlnAspTyrGluGlu 13  
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DB 57 AAGGACAAATCTGTTGTCGAACTCGGTATATATGAGGAA 19

## RESULT 6

US-09-864-761-12828/c

: Sequence 12828, Application US/09864761

: Patent No. US20020048763A1

: GENERAL INFORMATION:

1 APPLICANT: Penn, Sharon G.  
2 APPLICANT: Eank, David R.  
3 APPLICANT: Hanzel, David K.  
4 APPLICANT: Chen, Weisheng  
5 TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
6 FILE REFERENCE: A60100-X-1  
7 CURRENT APPLICATION NUMBER: US/09/864,761  
8 CURRENT FILING DATE: 2001-05-23  
9 PRIOR APPLICATION NUMBER: US 60/180,312  
10 PRIOR FILING DATE: 2000-02-04  
11 PRIOR APPLICATION NUMBER: US 60/207,456  
12 PRIOR FILING DATE: 2000-05-26  
13 PRIOR APPLICATION NUMBER: US 09/642,466  
14 PRIOR FILING DATE: 2000-08-03  
15 PRIOR APPLICATION NUMBER: CB 24263.6  
16 PRIOR FILING DATE: 2000-10-04  
17 PRIOR APPLICATION NUMBER: US 60/236,359  
18 PRIOR FILING DATE: 2000-09-27  
19 PRIOR APPLICATION NUMBER: PCT/US01/00666  
20 PRIOR FILING DATE: 2001-01-30  
21 PRIOR APPLICATION NUMBER: PCT/US01/00667  
22 PRIOR FILING DATE: 2001-01-30  
23 PRIOR APPLICATION NUMBER: PCT/US01/00664  
24 PRIOR FILING DATE: 2001-01-30  
25 PRIOR APPLICATION NUMBER: PCT/US01/00669  
26 PRIOR FILING DATE: 2001-01-30  
27 PRIOR APPLICATION NUMBER: PCT/US01/00665  
28 PRIOR FILING DATE: 2001-01-30  
29 PRIOR APPLICATION NUMBER: PCT/US01/00668  
30 PRIOR FILING DATE: 2001-01-30  
31 PRIOR APPLICATION NUMBER: PCT/US01/00664  
32 PRIOR FILING DATE: 2001-01-30  
33 PRIOR APPLICATION NUMBER: PCT/US01/00662  
34 PRIOR FILING DATE: 2001-01-30  
35 PRIOR APPLICATION NUMBER: PCT/US01/00661  
36 PRIOR FILING DATE: 2001-01-30  
37 PRIOR APPLICATION NUMBER: PCT/US01/00670  
38 PRIOR FILING DATE: 2001-01-30  
39 PRIOR APPLICATION NUMBER: US 60/234,687  
40 PRIOR FILING DATE: 2000-09-21  
41 PRIOR APPLICATION NUMBER: US 09/608,408  
42 PRIOR FILING DATE: 2000-06-30  
43 PRIOR APPLICATION NUMBER: US 09/774,203  
44 PRIOR FILING DATE: 2001-01-26  
45 NUMBER OF SEQ ID NOS: 49117  
46 SOFTWARE: Annonax Sequence Listing Engine vers. 1.1  
47 SEQ ID NO 12828  
48 LENGTH: 520  
49 TYPE: DNA  
50 ORGANISM: Homo sapiens  
51 FEATURE:  
52 OTHER INFORMATION: MAP TO AC009155.3  
53 OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 0.65  
54 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 0.52  
55 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 0.98  
56 US-09-864-761-12828

## Alignment Scores:

Seq. No. 7 94 Length: 520  
Score: 40.00 Matches: 7  
Percent Similarity: 84.62% Conservative: 4  
Best Local Similarity: 53.85% Mismatches: 2  
Query Match: 61.54% Indels: 0  
DB: 10 Gaps: 0

US-09-856-070-19 (1-13) x US-09-864-761-12828 (1-520)

QY 1 LysGluGluMetLeuArgLeuGlnAspTyrGluGlu 13  
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DB 150 AAGGACAAATCTGTTGTCGAACTCGGTATATATGAGGAA 112

## RESULT 7

US 10-025-187-1

; Sequence 1, Application US/10025187  
; Patent No. US20020150931A1

; GENERAL INFORMATION:

; APPLICANT: SHREFFIELD, VAL

; APPLICANT: NISHIMURA, DARRYL

; APPLICANT: STONE, EDWARD

; TITLE OF INVENTION: A BARDET-BIEDL SUSCEPTIBILITY GENE AND USES THEREOF

; FILE REFERENCE: IOWA-0340S

; CURRENT APPLICATION NUMBER: US/10-025-187

; CURRENT FILING DATE: 2001-12-18

; PRIOR APPLICATION NUMBER: 60/256,900

; PRIOR FILING DATE: 2000-12-19

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 1

; LENGTH: 2166

; TYPE: DNA

; ORGANISM: Homo sapiens

US 10-025-187-1

Alignment Scores:

Pred. No.:	41-9	Length:	2166
Score:	40.00	Matches:	7
Percent Similarity:	84.62%	Conservative:	4
Best Local Similarity:	53.85%	Mismatches:	2
Query Match:	61.54%	Indels:	0
DB:	12	Gaps:	0

US 09-856-070-19 (1-13) x US-10-025-187-1 (1-2166)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13

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DB 1043 AAGCAGAAATGCTGCTGCAAC1CCGTAACATACAGAA 1071

RESULT 8

US 09-854-144-728

; Sequence 728, Application US/09854133

; Patent No. US20020183499A1

; GENERAL INFORMATION:

; APPLICANT: Lados, Michael J.

; APPLICANT: Mohamath, Rashed

; APPLICANT: Henderson, Robert A.

; APPLICANT: Benson, Darin R.

; APPLICANT: Serist, Heather

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR

; FILE REFERENCE: THE THERAPY AND DIAGNOSIS OF LUNG CANCER

; CURRENT APPLICATION NUMBER: US/09-854,133

; CURRENT FILING DATE: 2001-05-11

; NUMBER OF SEQ ID NOS: 735

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 728

; LENGTH: 2170

; TYPE: DNA

; ORGANISM: Homo sapiens

; NAME/KEY: misc\_feature

; LOCATION: (1)...(2170)

; OTHER INFORMATION: n - A,T,C or G

US 09-854-144-728

Alignment Scores:

Pred. No.:	42	Length:	2170
Score:	40.00	Matches:	9
Percent Similarity:	76.92%	Conservative:	1
Best Local Similarity:	69.24%	Mismatches:	3
Query Match:	61.54%	Indels:	0
DB:	9	Gaps:	0

US 09-856-070-19 (1-13) x US-09-854-144-728 (1-2170)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13

DB 1268 AAGGACAGAGTAAATGTAAGGCTTAAACAAATTCAGAG 1246

RESULT 9

US-10-025-187-3

; Sequence 3, Application US/10025187

; Patent No. US20020150931A1

; GENERAL INFORMATION:

; APPLICANT: SHREFFIELD, VAL

; APPLICANT: NISHIMURA, DARRYL

; APPLICANT: STONE, EDWARD

; TITLE OF INVENTION: A BARDET-BIEDL SUSCEPTIBILITY GENE AND USES THEREOF

; FILE REFERENCE: IOWA-0340S

; CURRENT APPLICATION NUMBER: US/10-025-187

; CURRENT FILING DATE: 2001-12-18

; PRIOR APPLICATION NUMBER: 60/256,900

; PRIOR FILING DATE: 2000-12-19

; NUMBER OF SEQ ID NOS: 3

; SOFTWARE: Patent In Ver. 2.1

; SEQ ID NO 3

; LENGTH: 45839

; TYPE: DNA

; ORGANISM: Homo sapiens

US-10-025-187-3

Alignment Scores:

Pred. No.:	1-47e+03	Length:	45839
Score:	40.00	Matches:	7
Percent Similarity:	84.62%	Conservative:	4
Best Local Similarity:	53.85%	Mismatches:	2
Query Match:	61.54%	Indels:	0
DB:	12	Gaps:	0

US-09-856-070-19 (1-13) x US-10-025-187-3 (1-45839)

QY 1 LysGluGluLeuMetLeuArqLeuGlnAspTyrGluGlu 13

||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

DB 24930 AAGGACAGAGTAAATGTAAGGCTTAAACAAATTCAGAG 24968

RESULT 10

US-09-854-761-27935/c

; Sequence 27935, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharon G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; FILE REFERENCE: GENE EXPRESSION ANALYSIS BY MICROARRAY

; CURRENT APPLICATION NUMBER: US/09-864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/006666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/006665

; PRIOR FILING DATE: 2001-01-30

```

? PRIOR APPLICATION NUMBER: PCT/US01/00668
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00663
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/234,687
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-04-30
? PRIOR APPLICATION NUMBER: US 09/174,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
? SEQ ID NO 27935
? LENGTH: 205
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: MAP TO A:006195.1
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.2
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 7.6
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.1
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.1
? OTHER INFORMATION: SWISSPROT HIT: P38110, EVALUE: 1.70e-00
? OTHER INFORMATION: NT HIT: AF095771.1, EVALUE: 6.00e-93
? OTHER INFORMATION: EST_HUMAN HIT: AA453960.1, EVALUE: 5.00e-84
US-09-864-761-27935

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Alignment Scores:
Prod. No.: 4-32 Length: 205
Score: 39.00 Matches: 8
Percent Similarity: 99.91% Conservative: 2
Best Local Similarity: 72.73% Mismatches: 1
Query Match: 60.00% Indels: 0
DB: 10 Gaps: 0

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US-09-856-070-19 (1-13) x US-09-864-761-27935 (1-205)
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QY 3 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
|||||:|||||:|||||:|||||
DB 151 GAGCTTATCTTCGGCTTCAACAAATATTTCGAA 119

RESULT 11
US-09-864-761-11355/c
? Sequence 11355, Application US/09864761
? Patent No. US2002004875A1
? GENERAL INFORMATION:
? APPLICANT: Penn, Sharon G.
? APPLICANT: Rank, David R.
? APPLICANT: Hanzel, David K.
? APPLICANT: Chen, Wensheng
? TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
? FILE REFERENCE: Acomica-X-1
? CURRENT APPLICATION NUMBER: US/09/864,761
? PRIOR FILING DATE: 2001-05-23
? PRIOR APPLICATION NUMBER: US 60/180,312
? PRIOR FILING DATE: 2000-02-04
? PRIOR APPLICATION NUMBER: US 60/207,456
? PRIOR FILING DATE: 2000-05-26
? PRIOR APPLICATION NUMBER: US 09/532,366
? PRIOR FILING DATE: 2000-08-03
? PRIOR APPLICATION NUMBER: GB 24263.6
? PRIOR FILING DATE: 2000-10-04
? PRIOR APPLICATION NUMBER: US 60/236,359
? PRIOR FILING DATE: 2000-09-27

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? PRIOR APPLICATION NUMBER: PCT/US01/00666
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00667
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00664
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00669
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00665
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00668
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00663
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00662
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00661
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: PCT/US01/00670
? PRIOR FILING DATE: 2001-01-30
? PRIOR APPLICATION NUMBER: US 60/244,587
? PRIOR FILING DATE: 2000-09-21
? PRIOR APPLICATION NUMBER: US 09/608,408
? PRIOR FILING DATE: 2000-06-10
? PRIOR APPLICATION NUMBER: US 09/174,203
? PRIOR FILING DATE: 2001-01-29
? NUMBER OF SEQ ID NOS: 49117
? SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
? SEQ ID NO 11355
? LENGTH: 452
? TYPE: DNA
? ORGANISM: Homo sapiens
? FEATURE:
? OTHER INFORMATION: MAP TO A:006195.1
? OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL - 1.2
? OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL - 1.2
? OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL - 7.6
? OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL - 1.4
? OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL - 1.1
? OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL - 1.1
US-09-864-761-11355

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Alignment Scores:
Prod. No.: 10-9 Length: 452
Score: 39.00 Matches: 8
Percent Similarity: 99.91% Conservative: 2
Best Local Similarity: 72.73% Mismatches: 1
Query Match: 60.00% Indels: 0
DB: 10 Gaps: 0

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US-09-856-070-19 (1-13) x US-09-864-761-11355 (1-452)
```

```

QY 3 GluLeuMetLeuArgLeuGlnAspTyrGluGlu 13
|||||:|||||:|||||:|||||
DB 356 GAGCTTATCTTCGGCTTCAACAAATATTTCGAA 364

RESULT 12
US-10-046-935-2209
? Sequence 2209, Application US/10046935
? Patent No. US20020156011A1
? GENERAL INFORMATION:
? APPLICANT: Jiang, Yugu
? APPLICANT: Harlocker, Susan L.
? APPLICANT: Secrist, Heather
? APPLICANT: Wang, Aijun
? APPLICANT: Stolk, John A.
? TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
? FILE REFERENCE: 210121.527C1
? CURRENT APPLICATION NUMBER: US/10/046,935
? PRIOR FILING DATE: 2002-01-15
? NUMBER OF SEQ ID NOS: 2239
? SOFTWARE: FastSeq for Windows Version 4.0

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: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/863.475A
: FILING DATE: 14-May-2001
: CLASSIFICATION: <Unknown>
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 07/914,281
: FILING DATE: 20-JUL-1992
: ATTORNEY/AGENT INFORMATION:
: NAME: Lavalleye, Jean-Paul M. P.
: REGISTRATION NUMBER: 31,451
: REFERENCE/DOCKET NUMBER: 2363-060-55
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (703)521-4500
: TELEFAX: (703)486-2347
: TELEX: 248855 OPAT UR
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 3647 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: unknown
: TOPOLOGY: unknown
: MOLECULE TYPE: DNA (genomic)
: ANTI-SENSE: NO
: SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-09-863-475A-7

```

```

Alignment Scores:
Pred. No.: 124 Length: 3647
Score: 39.00 Matches: 8
Percent Similarity: 83.33% Conservative: 2
Best Local Similarity: 66.67% Mismatches: 2
Query Match: 60.00% Indels: 0
DB: 10 Gaps: 0

```

US-09-856-070-19 (1-13) x US-09-863-475A-7 (1-3647)

```

Oy 2 GluGluLeuMetLeuArgGluGlnAspTyrGluGlu 13
|||||: |||||: |||||: |||||: |||||:
Db 2347 GAGGAGGTGGATTCTGGAGGATGTTGAGATTAAGAGAG 2382

```

Search completed: January 16, 2003, 21:45:08  
Job time : 55.5143 secs

